



EEDEN08-204

technical data

600x600 4-Way Blow Ceiling Mounted Cassette
FXZQ-M8V1B

air conditioning systems

VRV[®] III-S
VRV[®] III
VRV[®] -WII

R-410A

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FXZQ-M8V1B

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1 Specifications

1-1 TECHNICAL SPECIFICATIONS				FXZQ20M8V1B	FXZQ25M8V1B	FXZQ32M8V1B	FXZQ40M8V1B	FXZQ50M8V1B
Nominal Capacity	Cooling	kW		2.20	2.80	3.60	4.50	5.60
	Heating	kW		2.50	3.20	4.00	5.00	6.30
Power input (Nominal)	Cooling	kW		0.073	0.073	0.076	0.089	0.115
	Heating	kW		0.064	0.064	0.068	0.080	0.107
Casing	Material			Galvanised steel				
Dimensions	Unit	Height	mm	286	286	286	286	286
		Width	mm	575	575	575	575	575
		Depth	mm	575	575	575	575	575
Weight	Unit		kg	18	18	18	18	18
Heat Exchanger	Dimensions	Nr of Rows		2	2	2	2	2
		Fin Pitch	mm	1.50	1.50	1.50	1.50	1.50
		Face Area	m²	0.269	0.269	0.269	0.269	0.269
		Nr of Stages		10	10	10	10	10
Fan	Type			Turbo fan				
	Quantity			1	1	1	1	1
Air Flow Rate	Cooling	High	m³/min	9.00	9.00	9.50	11.00	14.00
		Low	m³/min	7.00	7.00	7.50	8.00	10.00
Fan	Motor	Quantity		1	1	1	1	1
		Model		QTS32C15M				
		Output (high)	W	55	55	55	55	55
		Drive		Direct drive				
Refrigerant	Name			R-410A				
Sound Level	Cooling	Sound power (nominal)	dBA	47.0	47.0	49.0	53.0	58.0
Cooling	Sound Pressure	High	dBA	30.0	30.0	32.0	36.0	41.0
		Low	dBA	25.0	25.0	26.0	28.0	33.0
Piping connections	Liquid (OD)	Type		Flare connection				
		Diameter	mm	6.4	6.4	6.4	6.4	6.4
	Gas	Type		Flare connection				
		Diameter	mm	12.7	12.7	12.7	12.7	12.7
	Drain	Diameter	mm	26	26	26	26	26
	Heat Insulation			Foamed polystyrene/polyethylene				
Decoration Panel	Model			BYFQ60B7W1				
	Colour			White (Ral 9010)				
	Dimensions	Height	mm	55	55	55	55	55
		Width	mm	700	700	700	700	700
		Depth	mm	700	700	700	700	700
	Weight		kg	2.7	2.7	2.7	2.7	2.7
Air Filter			Resin net with mold resistance					
Refrigerant control			Electronic expansion valve					
Temperature control			Microprocessor thermostat for cooling and heating					
Safety devices			PC board fuse					
			Fan motor thermal protector					
Standard Accessories	Standard Accessories			Installation and operation manual				
				Paper pattern for installation				
				Drain hose				
				Clamp metal				
				Washer fixing plate				
				Sealing Pads				
				Clamps				
				Screws				
				Washer for hanger bracket				
				Insulation for fitting				

1 Specifications

1-1 TECHNICAL SPECIFICATIONS	FXZQ20M8V1B	FXZQ25M8V1B	FXZQ32M8V1B	FXZQ40M8V1B	FXZQ50M8V1B
Notes	Nominal cooling capacities are based on : indoor temperature : 27° CDB, 19° CWB, outdoor temperature : 35° CDB, equivalent refrigerant piping : 7,5m (horizontal)				
	Nominal heating capacities are based on : indoor temperature : 20° CDB, outdoor temperature : 7° CDB, 6° CWB, equivalent refrigerant piping : 7.5m (horizontal)				
	Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.				

1-2 ELECTRICAL SPECIFICATIONS			FXZQ20M8V1B	FXZQ25M8V1B	FXZQ32M8V1B	FXZQ40M8V1B	FXZQ50M8V1B
Power Supply	Name		V1				
	Phase		1	1	1	1	1
	Frequency	Hz	50	50	50	50	50
	Voltage	V	220-240				
Current	Minimum circuit amps (MCA)	A	0.80	0.80	0.80	0.80	0.90
	Maximum fuse amps (MFA)	A	15.00	15.00	15.00	15.00	15.00
	Full load amps (FLA)	A	0.60	0.60	0.60	0.60	0.70
Voltage range	Minimum	V	-10%				
	Maximum	V	+10%				
Notes			Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.				
			Maximum allowable voltage range variation between phases is 2%.				
			MCA/MFA : MCA = 1.25 x FLA				
			MFA<= 4 x FLA				
			next lower standard fuse rating minimum 15A				
			select wire size based on the MCA				
			instead of a fuse, use a circuit breaker				
			For more details concerning conditional connections, see http://extranet.daikineurope.com , select "E-Data Books". Finally, click on the document title of your choice.				

2 Safety device settings

		FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
PC BOARD FUSE		250V 5A				
FAN MOTOR THERMAL PROTECTOR	°C	OFF: 130 ^{±5} / ON: 80 ^{±20}				

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3 Options

	FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
DECORATION PANEL	BYFQ60B				
SEALING MEMBER OF AIR DISCHARGE OUTLET	KDBH44BA60				
PANEL SPACER	KDBQ44B60				
REPLACEMENT LONG LIFE FILTER	KAFQ441BA60				
FRESH AIR INTAKE KIT DIRECT INSTALLATION TYPE	KDDQ44XA60				

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4 Control systems

Individual control systems

		FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
WIRED REMOTE CONTROL		BRC1D52				
INFRARED REMOTE CONTROL	Heat pump	BRC7E530				
	Cooling only	BRC7E531				

Centralised control systems

	FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
CENTRALISED REMOTE CONTROL	DCS302C51				
UNIFIED ON/OFF CONTROL	DCS301B51				
SCHEDULE TIMER	DST301B61				

Others

	FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
WIRING ADAPTER	KRP1B57 #				
WIRING ADAPTER FOR ELECTRICAL APPENDICES (1)	KRP2A52 #				
WIRING ADAPTER FOR ELECTRICAL APPENDICES (2)	KRP4A53 #				
REMOTE SENSOR	KRCS01-1				
INSTALLATION BOX FOR ADAPTER PCB (2)	KRP1BA101				
ELECTRICAL BOX WITH EARTH TERMINAL (3 BLOCKS)	KJB311A				
ELECTRICAL BOX WITH EARTH TERMINAL (2 BLOCKS)	KJB212A				
NOISE FILTER (FOR ELECTROMAGNETIC INTERFACE USE ONLY)	KEK26-1A				
EXTERNAL CONTROL ADAPTER FOR OUTDOOR UNITS (INSTALLATION ON INDOOR UNIT)	DTA104A52 #				

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5 Capacity tables

5 - 1 Cooling capacity tables

FXZQ-M8																	
Unit size	Nominal Capacity	Outdoor °CDB	Indoor air temp.B														
			14.0WB		16.0WB		18.0WB		19.0WB		20.0 WB		22.0WB		24.0WB		
			20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB		
			TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
20	2.2	10.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.6	2.9	1.7	
		12.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.6	2.9	1.6	
		14.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.6	2.8	1.6	
		16.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.8	2.8	1.7	
		18.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.8	2.7	1.7	
		20.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.8	2.7	1.7	
		21.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.8	2.7	1.6	
		23.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.7	2.6	1.6	
		25.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.7	2.6	1.6	
		27.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.5	1.7	2.6	1.6	
		29.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.5	1.7	2.5	1.6	
		31.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.4	1.7	2.5	1.6	
		33.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.4	1.6	2.5	1.5	
		35.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.4	1.6	2.4	1.5	
		37.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.3	1.6	2.4	1.5	
		39.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.2	1.6	2.3	1.6	2.3	1.5	
25	2.8	10.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.7	2.1	
		12.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.6	2.1	
		14.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.6	2.1	
		16.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.5	2.0	
		18.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.5	2.0	
		20.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.4	2.0	
		21.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.4	2.0	
		23.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.3	2.1	3.4	1.9	
		25.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.3	2.0	3.3	1.9	
		27.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.2	2.0	3.3	1.9	
		29.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.2	2.0	3.2	1.9	
		31.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.1	2.0	3.2	1.9	
		33.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.1	2.0	3.1	1.8	
		35.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.0	1.9	3.1	1.8	
		37.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	2.9	2.0	3.0	1.9	3.0	1.8	
		39.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	2.9	2.0	2.9	1.9	3.0	1.8	
32	3.6	10.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.7	2.6	
		12.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.7	2.5	
		14.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.6	2.5	
		16.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.6	2.5	
		18.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.5	2.5	
		20.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.4	2.4	
		21.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.4	2.4	
		23.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.2	2.5	4.3	2.4	
		25.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.2	2.5	4.3	2.4	
		27.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.1	2.4	4.2	2.3	
		29.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.1	2.4	4.2	2.3	
		31.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.0	2.4	4.1	2.3	
		33.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	3.9	2.4	4.0	2.3	
		35.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	3.9	2.3	4.0	2.2	
		37.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.7	2.4	3.8	2.3	3.9	2.2	
		39.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.7	2.4	3.8	2.3	3.8	2.2	
40	4.5	10.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.9	3.5	
		12.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.8	3.4	
		14.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.8	3.4	
		16.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.7	3.4	
		18.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.6	3.3	
		20.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.5	3.3	
		21.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.5	3.3	
		23.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.3	3.3	5.4	3.2	
		25.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.2	3.3	5.3	3.2	
		27.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.2	3.3	5.3	3.2	
		29.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.1	3.2	5.2	3.1	
		31.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.0	3.2	5.1	3.1	
		33.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	4.9	3.2	5.0	3.1	
		35.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.7	3.3	4.9	3.1	5.0	3.0	
		37.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.2	4.7	3.2	4.8	3.1	4.9	3.0	
		39.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.2	4.6	3.2	4.7	3.1	4.8	3.0	
50	5.6	10.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.4	4.4	
		12.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.3	4.4	
		14.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.2	4.3	
		16.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.1	4.3	
		18.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.0	4.2	
		20.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	6.9	4.2	
		21.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	6.8	4.2	
		23.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.6	4.3	6.7	4.1	
		25.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.5	4.3	6.6	4.1	
		27.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.4	4.2	6.6	4.0	
		29.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.3	4.2	6.5	4.0	
		31.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.2	4.1	6.4	4.0	
		33.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.1	4.1	6.3	3.9	
		35.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.2	6.0	4.0	6.2	3.9	
		37.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.8	4.1	5.9	4.0	6.1	3.8	
		39.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.7	4.1	5.8	3.9	6.0	3.8	

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5 Capacity tables

5 - 2 Heating capacity tables

FXZQ-M8

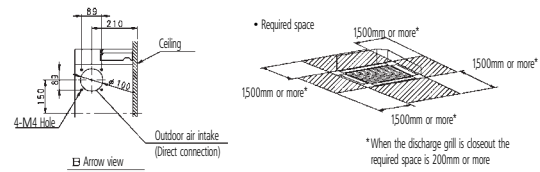
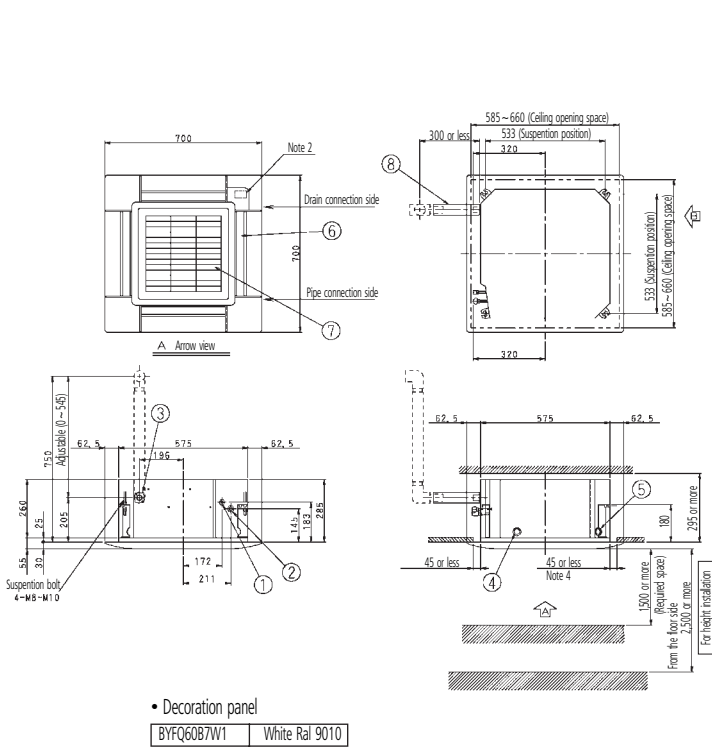
Unit size	Nominal Capacity	Outdoor air temp		Indoor air temp.: °CDB					
		°CDB)	°CWB)	16.0	18.0	20.0	21.0	22.0	24.0
				KW	KW	KW	KW	KW	KW
20	2.5	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5	1.5
		-18.8	-19.0	1.5	1.5	1.5	1.5	1.5	1.5
		-16.7	-17.0	1.6	1.6	1.6	1.6	1.6	1.6
		-14.7	-15.0	1.7	1.7	1.7	1.7	1.7	1.7
		-12.6	-13.0	1.8	1.8	1.8	1.8	1.8	1.8
		-10.5	-11.0	1.9	1.9	1.9	1.9	1.9	1.9
		-9.5	-10.0	1.9	1.9	1.9	1.9	1.9	1.9
		-8.5	-9.1	2.0	2.0	1.9	1.9	1.9	1.9
		-7.0	-7.6	2.0	2.0	2.0	2.0	2.0	2.0
		-5.0	-5.6	2.1	2.1	2.1	2.1	2.1	2.1
		-3.0	-3.7	2.2	2.2	2.2	2.2	2.2	2.2
		0.0	-0.7	2.3	2.3	2.3	2.3	2.3	2.2
		3.0	2.2	2.5	2.5	2.4	2.4	2.3	2.2
		5.0	4.1	2.5	2.5	2.5	2.4	2.3	2.2
		7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
		9.0	7.9	2.7	2.7	2.5	2.4	2.3	2.2
		11.0	9.8	2.8	2.7	2.5	2.4	2.3	2.2
		13.0	11.8	2.8	2.7	2.5	2.4	2.3	2.2
		15.0	13.7	2.8	2.7	2.5	2.4	2.3	2.2
25	3.2	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9	1.9
		-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
		-16.7	-17.0	2.1	2.1	2.0	2.0	2.0	2.0
		-14.7	-15.0	2.2	2.2	2.2	2.2	2.2	2.1
		-12.6	-13.0	2.3	2.3	2.3	2.3	2.3	2.3
		-10.5	-11.0	2.4	2.4	2.4	2.4	2.4	2.4
		-9.5	-10.0	2.5	2.4	2.4	2.4	2.4	2.4
		-8.5	-9.1	2.5	2.5	2.5	2.5	2.5	2.5
		-7.0	-7.6	2.6	2.6	2.6	2.6	2.6	2.6
		-5.0	-5.6	2.7	2.7	2.7	2.7	2.7	2.7
		-3.0	-3.7	2.8	2.8	2.8	2.8	2.8	2.8
		0.0	-0.7	3.0	3.0	3.0	3.0	3.0	2.8
		3.0	2.2	3.1	3.1	3.1	3.1	3.0	2.8
		5.0	4.1	3.3	3.2	3.2	3.1	3.0	2.8
		7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
		9.0	7.9	3.5	3.4	3.2	3.1	3.0	2.8
		11.0	9.8	3.6	3.4	3.2	3.1	3.0	2.8
		13.0	11.8	3.6	3.4	3.2	3.1	3.0	2.8
		15.0	13.7	3.6	3.4	3.2	3.1	3.0	2.8
32	4.0	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
		-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
		-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
		-14.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
		-12.6	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
		-10.5	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
		-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
		-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
		-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
		-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
		-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
		0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
		3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
		5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
		7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
		9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
		11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
		13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
		15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5
40	5.0	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
		-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
		-16.7	-17.0	3.2	3.2	3.2	3.2	3.2	3.2
		-14.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
		-12.6	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
		-10.5	-11.0	3.7	3.7	3.7	3.7	3.7	3.7
		-9.5	-10.0	3.8	3.8	3.8	3.8	3.8	3.8
		-8.5	-9.1	3.9	3.9	3.9	3.9	3.9	3.9
		-7.0	-7.6	4.0	4.0	4.0	4.0	4.0	4.0
		-5.0	-5.6	4.2	4.2	4.2	4.2	4.2	4.2
		-3.0	-3.7	4.4	4.4	4.4	4.4	4.4	4.4
		0.0	-0.7	4.7	4.6	4.6	4.6	4.6	4.4
		3.0	2.2	4.9	4.9	4.9	4.8	4.7	4.4
		5.0	4.1	5.1	5.1	5.0	4.8	4.7	4.4
		7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
		9.0	7.9	5.4	5.3	5.0	4.8	4.7	4.4
		11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
		13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4
		15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4
50	6.3	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
		-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
		-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
		-14.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
		-12.6	-13.0	4.5	4.5	4.5	4.5	4.5	4.5
		-10.5	-11.0	4.7	4.7	4.7	4.7	4.7	4.7
		-9.5	-10.0	4.8	4.8	4.8	4.8	4.8	4.8
		-8.5	-9.1	4.9	4.9	4.9	4.9	4.9	4.9
		-7.0	-7.6	5.1	5.1	5.1	5.1	5.1	5.1
		-5.0	-5.6	5.3	5.3	5.3	5.3	5.3	5.3
		-3.0	-3.7	5.5	5.5	5.5	5.5	5.5	5.5
		0.0	-0.7	5.9	5.9	5.8	5.8	5.8	5.5
		3.0	2.2	6.2	6.2	6.2	6.1	5.9	5.5
		5.0	4.1	6.4	6.4	6.3	6.1	5.9	5.5
		7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
		9.0	7.9	6.8	6.7	6.3	6.1	5.9	5.5
		11.0	9.8	7.0	6.7	6.3	6.1	5.9	5.5
		13.0	11.8	7.1	6.7	6.3	6.1	5.9	5.5
		15.0	13.7	7.1	6.7	6.3	6.1	5.9	5.5

3TW25512-2A

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXZQ-M8



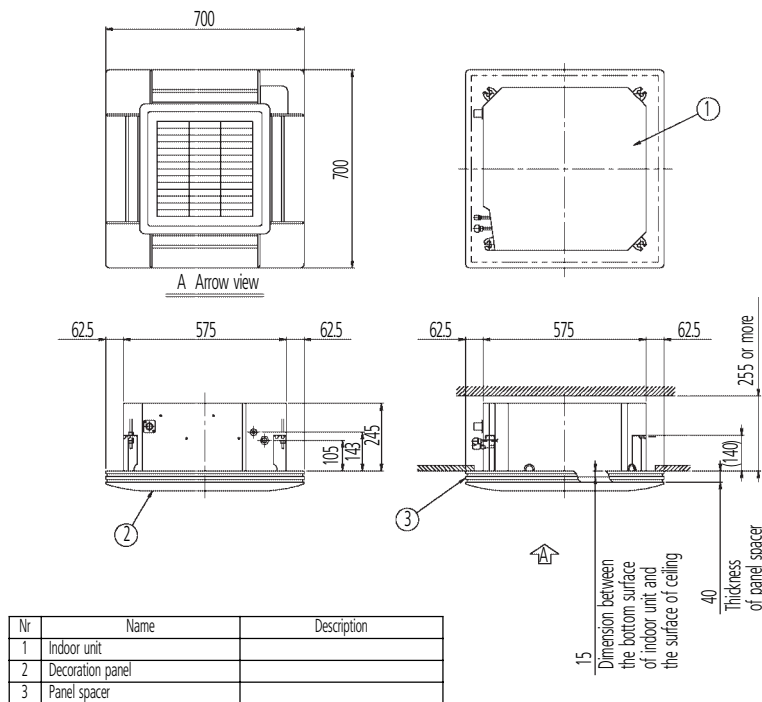
Nr	Part name	Description
1	Liquid pipe connection	ø6.4 Flare connection
2	Gas pipe connection	ø12.7 Flare connection
3	Drain pipe connection	VP25 (O.D. ø32)
4	Wire intake	
5	Interunit wiring connection	
6	Grounding terminal	Inside switch box (M4)
7	Discharge	
8	Air suction grille	
9	Long life filter	
10	Suspension bolt	

NOTES

- Location of manufacturer's label
 Indoor unit: on the bell mouth, inside suction panel
 Decoration panel: on the inner frame, inside suction grille
- When using an infrared remote control, this position will be a signal receiver. Refer to the drawing of the infrared remote control for more details
- When the temperature and humidity in the ceiling exceed 30°C and RH is 80 %, or the fresh air is inducted into the ceiling, or the unit continues 24 hour operation, an additional insulation is required (thickness 10mm or more or glass wool or polyethylene foam)
- Though the installation is acceptable up to maximum 660mm square ceiling opening, keep the clearance of 45mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

3D039005B

FXZQ-M8



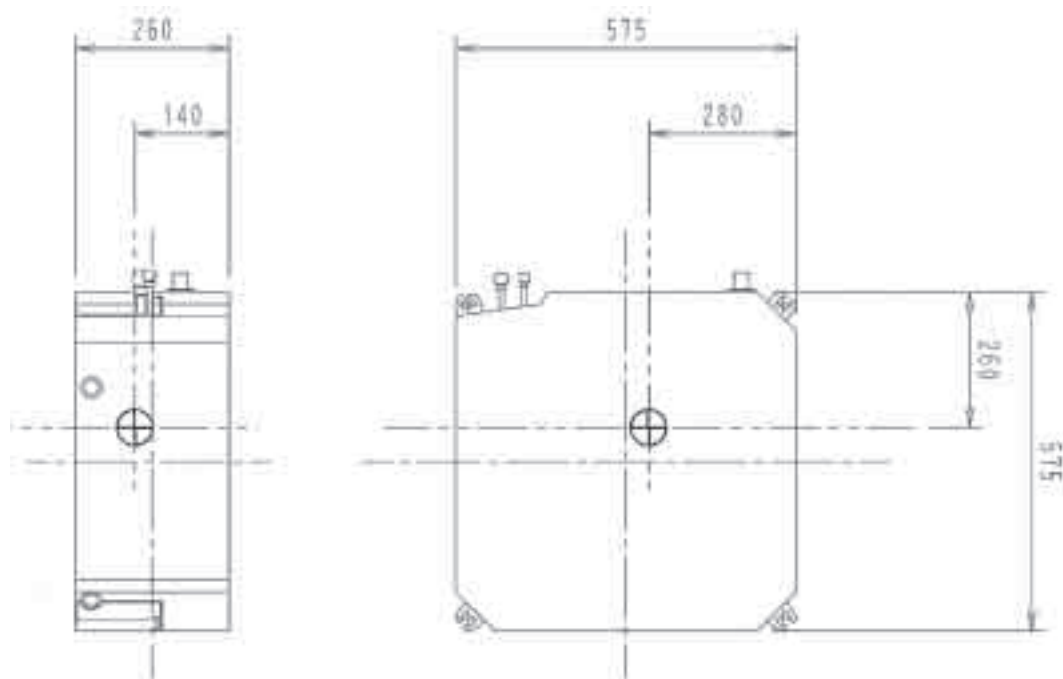
Nr	Name	Description
1	Indoor unit	
2	Decoration panel	
3	Panel spacer	

3D041038

6 Dimensional drawing & centre of gravity

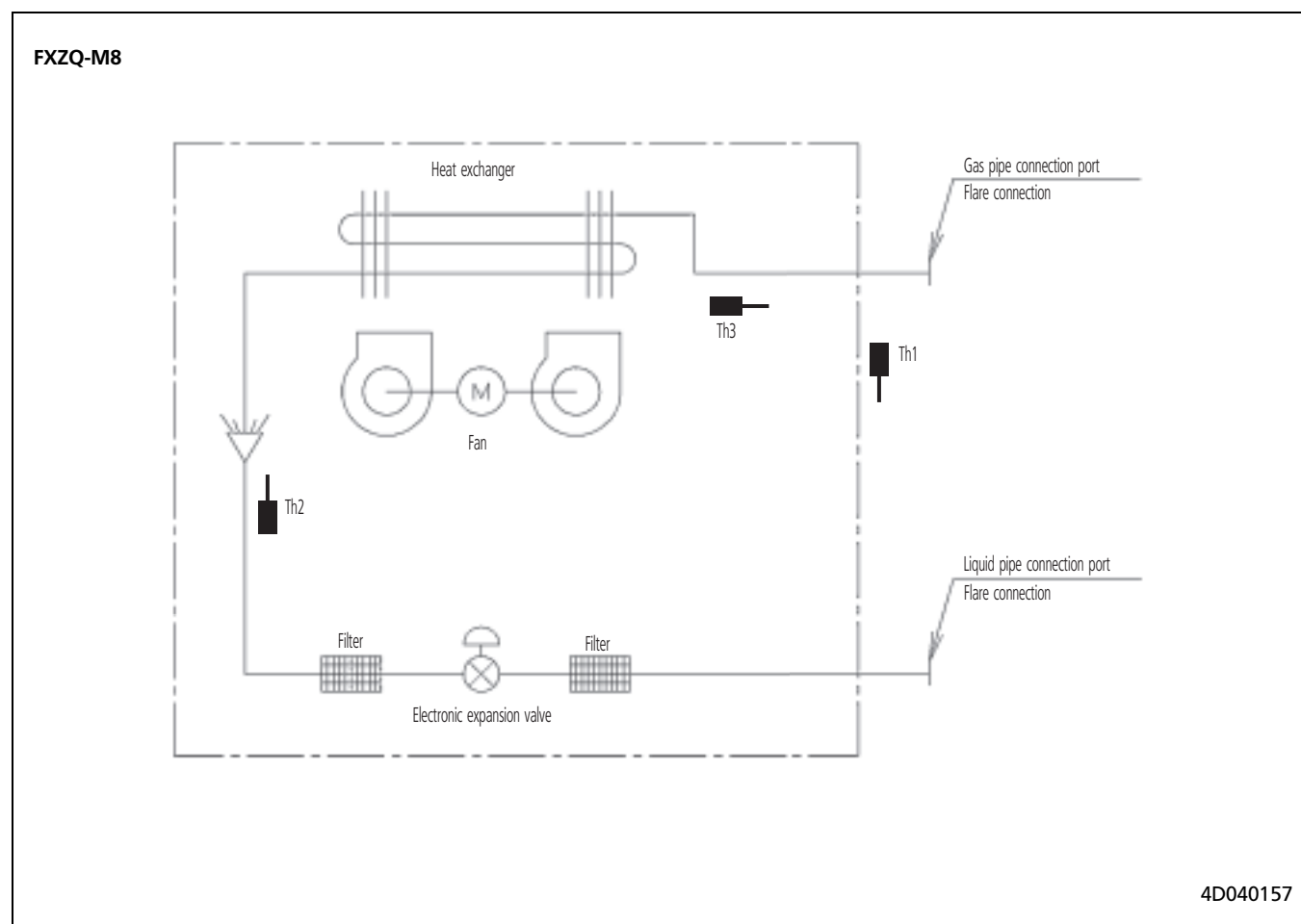
6 - 2 Centre of gravity

FXZQ-M8



4D040158

7 Piping diagram



8 Wiring diagram

8 - 1 Wiring diagram

FXZQ-M8

A1P	Printed circuit board	R2T	Thermistor (coil-liquid)	BS1	Push button (on/off)
C1	Capacitor (M1F)	R3T	Transformer (220-240V/22V)	H1P	Light emitting diode (on-red)
F1U	Fuse(B , 5a, 250V)	V1TR	Triac	H2P	Light emitting diode (timer-green)
F2U	Field fuse	X1M	Terminal strip	H2P	Light emitting diode (filter sign-red)
HAP	Light emitting diode (service monitor green)	X2M	Terminal strip	H3P	Light emitting diode (defrost-orange)
KPR	Magnetic relay (M1P)	Y3E	Electronic expansion valve	SS1	Selector switch (main/sub)
M1F	Motor (indoor fan)		Wired remote control	SS2	Selector switch (wireless address set)
M1P	Motor (drain pump)	R1T	Thermistor (air)		connector for optional parts
M1S	Motor (swing flap)	SS1	Selector switch (main/sub)	X16A	Connector (adapter for wire)
Q1DI	Field earth leak dedector (max. 300mA)		Infrared remote control (receiver/display unit)	X18A	Connector (on/off) (wiring adapter for electrical appendices)
Q1M	Thermal protector (M1F embedded)	A3P	Printed circuit board		
R1T	Thermistor (air)	A4P	Printed circuit board		

□□

:

Terminal

□○

:

Connector

○—

:

Wire clamp

—□□

:

Field wiring

Colors:

RED Red

BLK Black

WHT White

YLW Yellow

PNK pink

ORG Orange

GRN Green

BLU Blue

3TW26426-1B

NOTES

1

In case of using a remote control, connect it to unit in accordance to the attached installation manual.

2

X23A is connected when the wireless remote control kit is being used.

3

When connecting the input wires from outside, forced off or on/off control operation can be selected by remote control. In details, refer to the installation manual attached the unit.

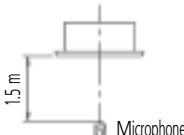
4

Remote control model varies according to the combination system. See technical data and catalogs. Etc. before connecting.

9 Sound data

9 - 1 Sound level data

FXZQ-M8

Model	Sound pressure level			Sound power level
	H	L	Measuring location	
FXZQ20M8	30	25		47
FXZQ25M8	30	25		47
FXZQ32M8	32	26		49
FXZQ40M8	36	28		53
FXZQ50M8	41	33		58

NOTES

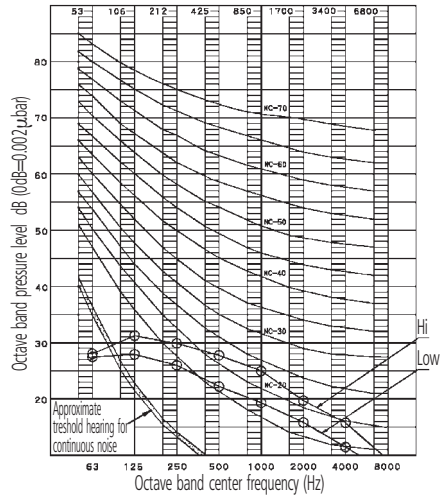
- 1 Measuring place: anechoic chamber
- 2 Operation noise differs with operation and ambient conditions
- 3 Operating conditions: Power source: 230V, 50 Hz
 - Cooling: Indoor air temperature: 27°CDB, 19°CWB
Outdoor air temperature: 35°CDB, 24°CWB
 - Heating: Indoor air temperature: 20°CDB, 15°CWB
Outdoor air temperature: 7°CDB, 6°CWB

9 Sound data

9 - 2 Sound pressure spectrum

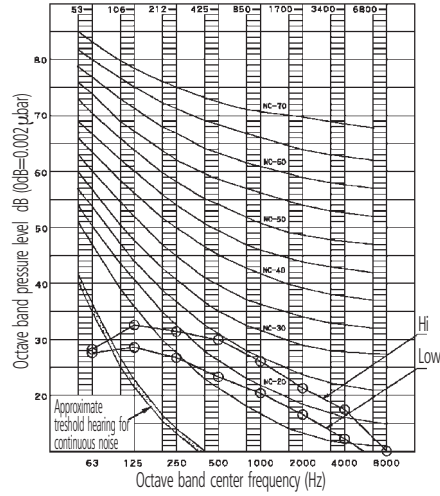
FXZQ20,25M8

4D040274A



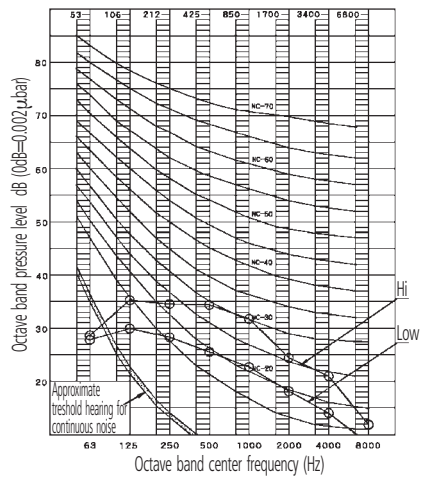
FXZQ32M8

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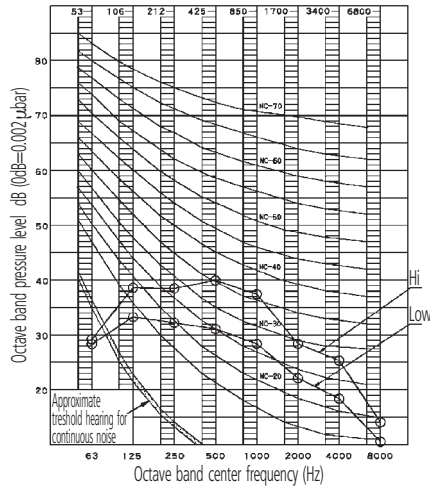
FXZQ40M8

4D040286A



FXZQ50M8

4D040287A

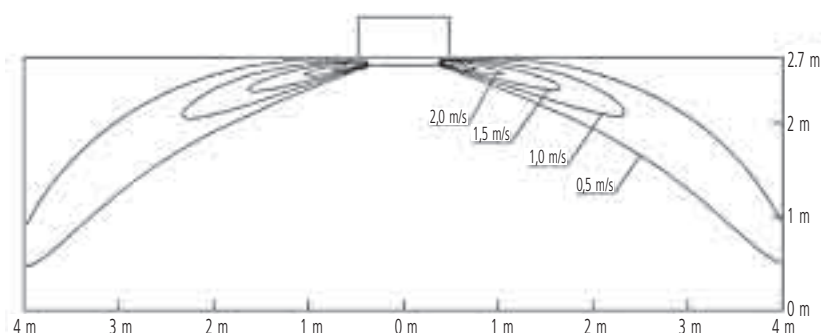


10 Air flow pattern

FXZQ20,25M8

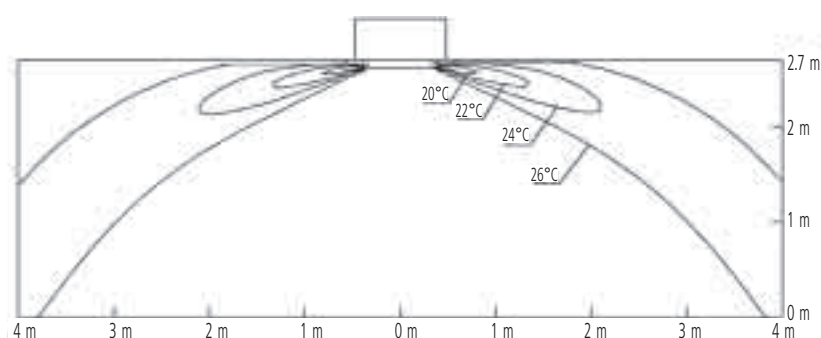
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal

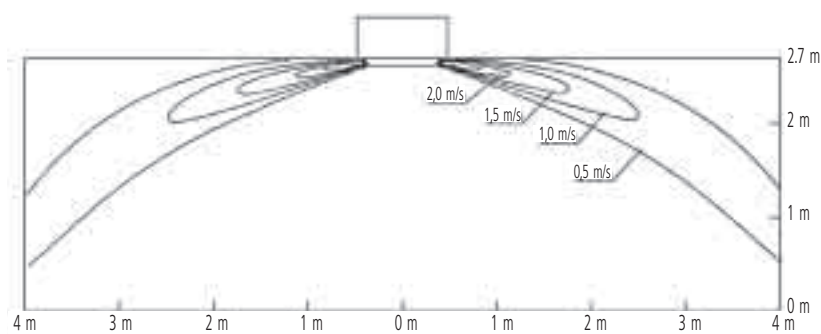


4D039738A

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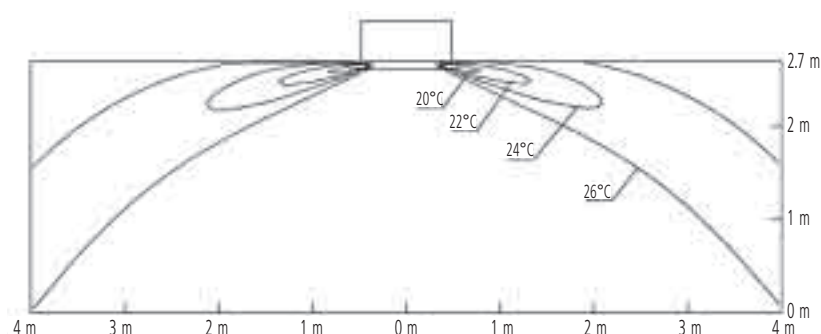
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal

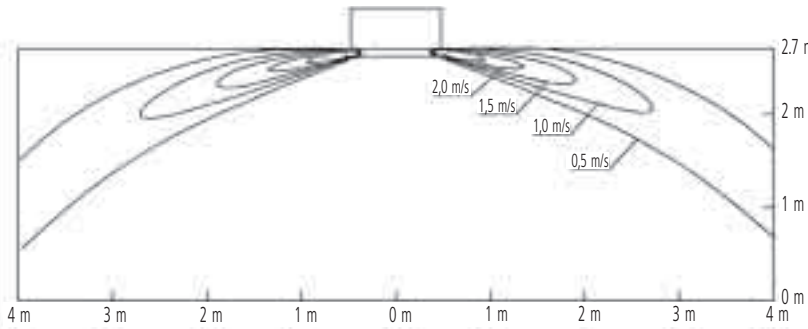


4D040188

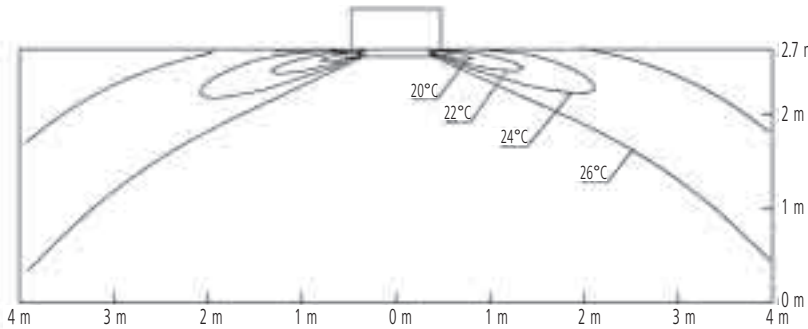
10 Air flow pattern

FXZQ40M8

Cooling air velocity distribution
 4-way discharge, air flow direction: horizontal



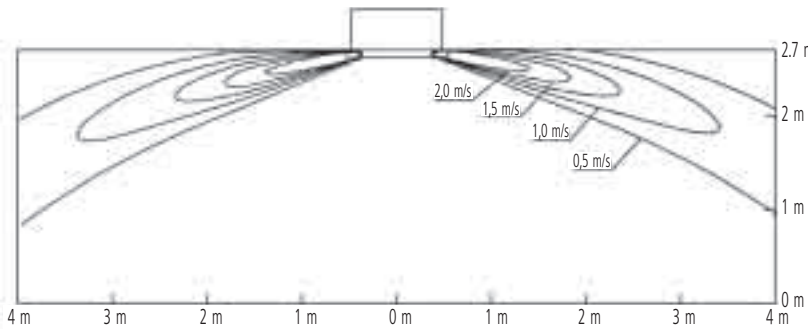
Cooling air temperature distribution
 4-way discharge, air flow direction: horizontal



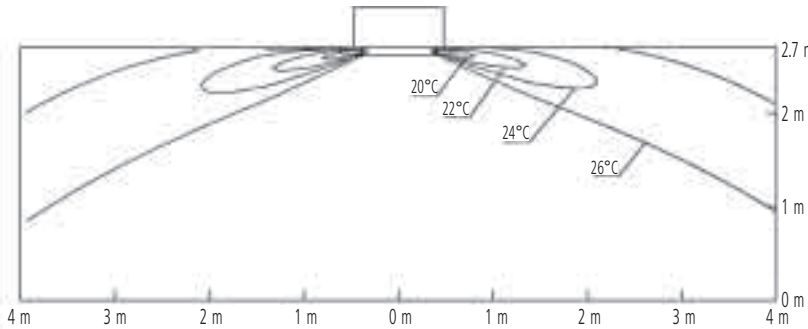
4D040189

FXZQ50M8

Cooling air velocity distribution
 4-way discharge, air flow direction: horizontal



Cooling air temperature distribution
 4-way discharge, air flow direction: horizontal



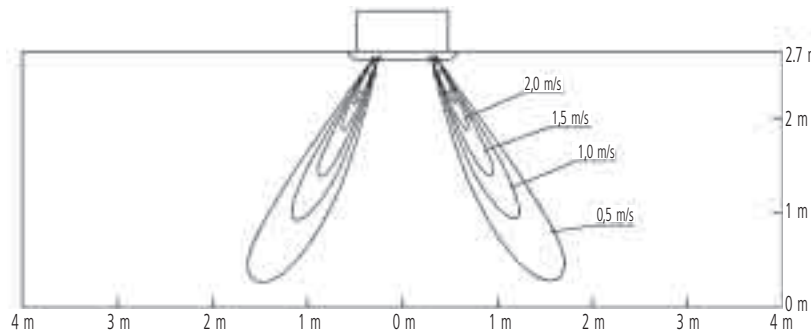
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10 Air flow pattern

FXZQ20,25M8

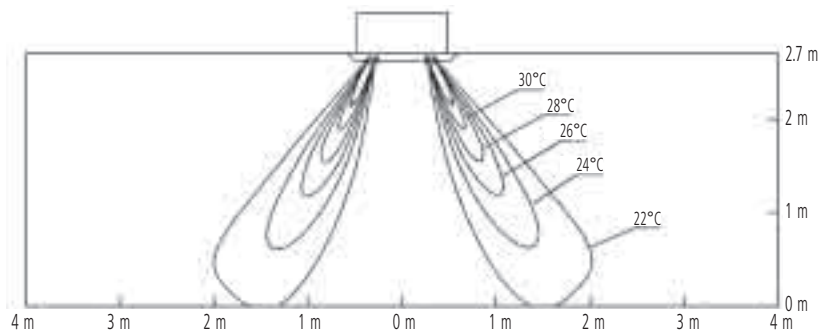
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down

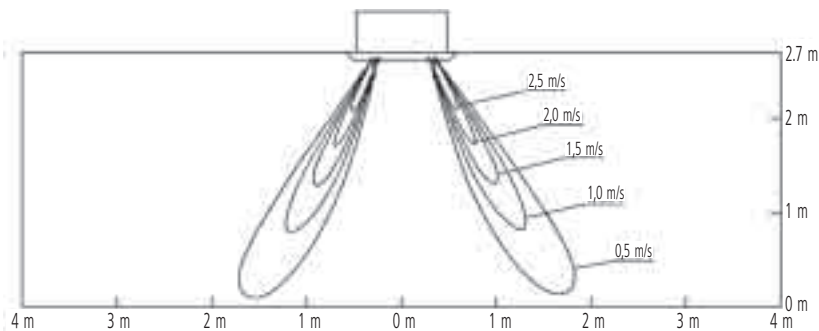


4D039820A

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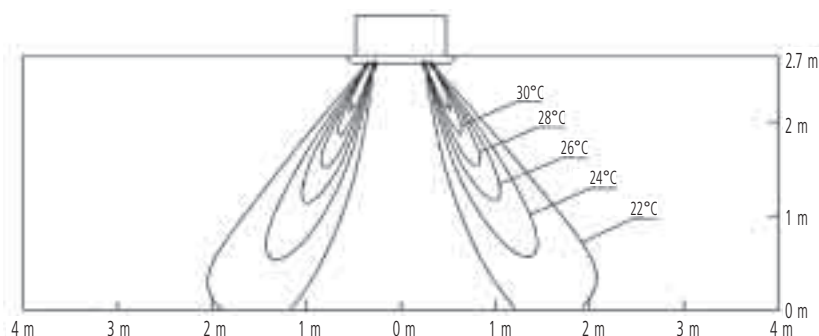
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down



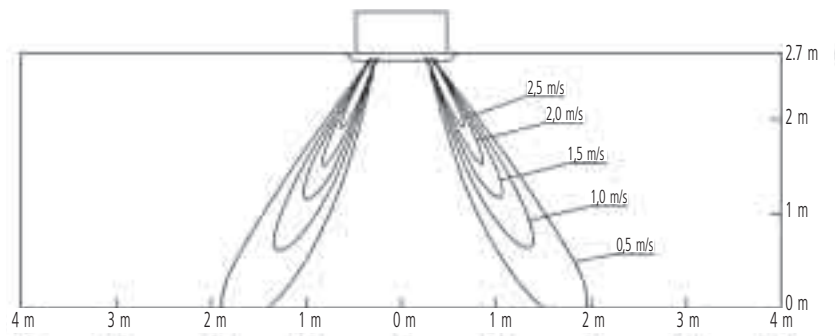
4D040191

10 Air flow pattern

FXZQ40M8

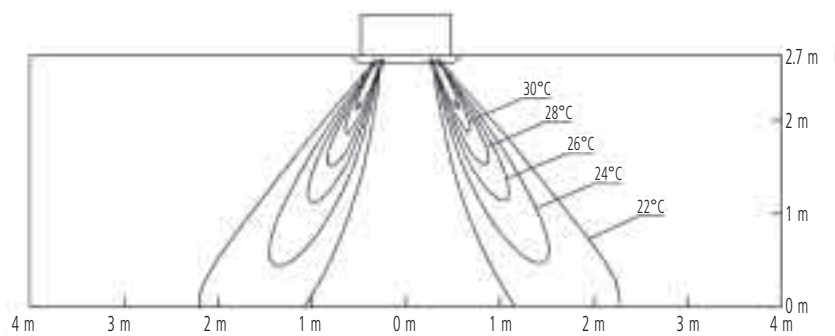
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down

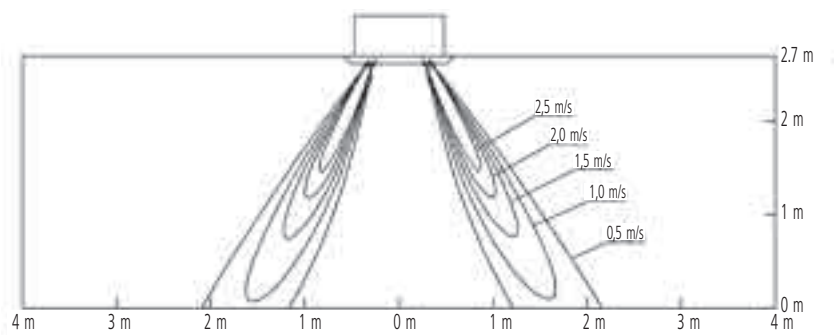


4D040192

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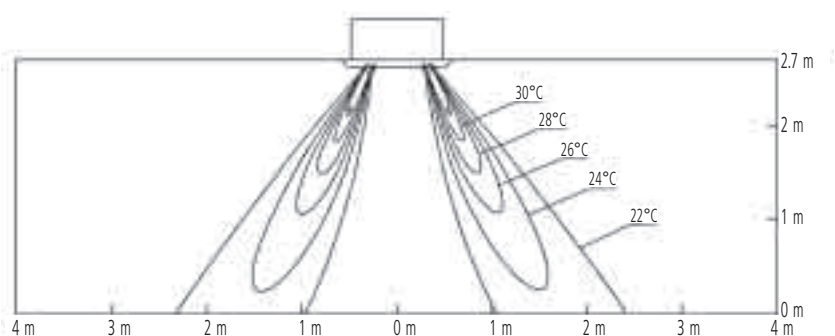
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down



4D040193

2e

VRV III-S
VRV III
VRV-WII

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